

INVITATION TO BID		BID DUE DATE AND TIME	
BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL & MECHANICAL COLLEGE		03/07/2013 11:00 AM CT	
SOLICITATION 000011863 VENDOR VENDOR NAME AND ADDRESS <div style="border: 1px solid black; height: 100px; width: 100%;"></div>		RETURN BID TO Pennington Biomedical Research Center LOUISIANA STATE UNIV. PURCHASING OFFICE 213 THOMAS BOYD HALL Baton Rouge LA 70803 BUYER Amy H Bourgeois BUYER PHONE (225)578-2304 ISSUE DATE 02/07/2013	
TITLE: TELEMETRY SYSTEM AND ALARM NOTIFICATION SYSTEM			

To Be Completed By Bidder

1. _____ "No Bid" (sign and return this page only).
2. _____ My Company does not wish to receive future solicitations for this commodity code.
3. Specify your Delivery: To be made within _____ days after receipt of order.
4. Specify your Payment Terms: _____.
 Prompt payment cash discounts for less than 30 days and less than 1% will be accepted, but will not be considered in determining awards. On indefinite quantity term contracts, cash discounts will be accepted and taken, but will not be considered in determining awards.
5. Specify your Bid Reference Number: _____.
 (This number will appear on any resulting order or contract.)

General Instructions to Bidders

1. Sealed bids for furnishing the items and/or services specified are hereby solicited, and will be received by the issuing LSU Campus/Department at the "Return Bid To" address stated above, until the specified due date and time.
2. Bids must be signed by a person authorized to bind the vendor. In accordance with Louisiana R.S. 39:1594, the person signing the bid must be: (1) a current corporate officer, partnership member, or other individual specifically authorized to submit a bid as evidenced in the appropriate records filed with the Louisiana Secretary of State; or (2) an individual authorized to bind the vendor as evidenced by a corporate resolution, certificate or affidavit; or (3) other documents indicating authority which are acceptable to the public entity.
3. Read the entire solicitation, including all terms, conditions and specifications.
4. All bid information and prices must be typed or written in ink. Any corrections, erasures or other forms of alteration to unit prices are to be initialed by the bidder.
5. Bid prices shall include all delivery charges paid by the vendor, F.O.B. LSU Destination, unless otherwise provided in the solicitation. Any invoiced delivery charges not quoted and itemized on the LSU purchase order are subject to rejection and non-payment.
6. Payment is to be made within 30 days after receipt of properly executed invoice, or delivery and acceptance, whichever is later. Delinquent payment penalties are governed by L.R.S. 39:1695.
7. By signing this solicitation, the bidder certifies compliance with all general instructions to bidders, terms, conditions and specifications; and further certifies that this bid is made without collusion or fraud.

BIDDER (Name of Firm)	MAILING ADDRESS
AUTHORIZED SIGNATURE	CITY, STATE ZIP
PRINTED NAME	PHONE #
TITLE	FAX #
E-MAIL	FEDERAL TAX ID #

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These standard terms and conditions shall apply to all LSU solicitations, unless otherwise specifically amended and provided for in the special terms and conditions, specifications, or other solicitation documents. In the event of conflict between the General Instructions to Bidders or Standard Terms & Conditions and the Special Terms & Conditions, the Special Terms & Conditions shall govern.

Bids submitted are subject to provisions of the laws of the State of Louisiana, including but not limited to: the Louisiana Procurement Code (R.S. 39:1551-1736); Purchasing Rules and Regulations (Title 34 of the Louisiana Administrative Code); Executive Orders; and the terms, conditions, and specifications stated in this solicitation.

1. Bid Delivery and Receipt

To be considered, sealed bids must be received and time-stamped at the "Return Bid To" address no later than the due date and time specified herein. Sealed bids cannot be accepted by telegraph, fax, or e-mail. Price alterations and addenda to bids may be submitted by telegraph or fax, and will be considered provided bidder's sealed bid, price alterations and addenda have been received in the purchasing office prior to bid opening time. Late bids cannot be accepted per L.A.C. 34:I.517, and shall be returned unopened.

2. Bid Forms

Bids are to be submitted on and in accordance with the LSU solicitation forms provided, and must be signed by an authorized agent of the vendor. Bids submitted on other forms or in other price formats may be considered informal and may be rejected in part or in its entirety. Bids submitted in pencil and/or bids containing no original signature indicating the bidder's intent to be bound will not be accepted.

3. Interpretation of Solicitation/Bidder Inquiries

If bidder is in doubt as to the meaning of any part or requirement of this solicitation, bidder may submit a written request for interpretation to the Buyer-of-Record at the address and/or fax number shown above. Written inquiries must be received in the Purchasing Office no later than five (5) calendar days prior to the opening of bids, and shall be clearly cross-referenced to the relevant solicitation/specification in question.

No decisions or actions shall be executed by any bidder as a result of oral discussions with any LSU employee or consultant. Any interpretation of the documents will be made by formal addendum only, issued by the Purchasing Office, and mailed or delivered to all bidders known to have received the solicitation. LSU shall not be responsible for any other interpretations or assumptions made by bidder.

4. Bid Opening

Bidders may attend the public bid opening of sealed bids and proposals. No information or opinions concerning the ultimate contract award will be given at bid opening or during the evaluation process. Written bid tabulations will not be furnished. Bids may be examined within 72 hours after bid opening. Information pertaining to completed files may be secured by visiting the Purchasing Office during normal working hours.

5. Special Accommodations

Any "qualified individual with a disability" as defined by the Americans with Disabilities Act, who has submitted a bid and desires to attend the public bid opening, must notify the Purchasing Office in writing not later than seven days prior to the bid opening date of their need for special accommodations. If the request cannot be reasonably provided, the individual will be informed prior to the bid opening.

6. Standards of Quality

Any product or service bid shall conform to all applicable federal, state and local laws and regulations, and the specifications contained in the solicitation. Any manufacturer's name, trade name, brand name, or catalog number used in the specification is for the purpose of describing the standard of quality, performance, and characteristics desired; and is not intended to limit or restrict competition. Bidder must specify the brand and model number of the product offered in his bid. Bids not specifying brand and model number shall be considered as offering the exact product specified in the solicitation.

7. New Products/Warranty/Patents

All products bid for purchase must be new, never previously used, of the manufacturer's current model and/or packaging, and of best quality as measured by acceptable trade standards. No remanufactured, demonstrator, used or irregular products will be considered for purchase unless otherwise specified.

The manufacturer's standard published warranty and provisions shall apply, unless more stringent warranties are otherwise required by LSU and specified in the solicitation. In such cases, the bidder and/or manufacturer shall honor the specified warranty requirements, and bid prices shall include any premium costs of such coverage.

Bidder guarantees that the products proposed and furnished will not infringe upon any valid patent or trademark; and shall, at its own expense, defend any and all actions or suits charging such infringement, and shall save LSU harmless.

8. Descriptive Information

Bidders proposing an equivalent brand or model are to submit with the bid descriptive information (such as literature, technical data, illustrations, etc) sufficient for LSU to evaluate quality, suitability, and compliance with the specifications. Failure to

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submit descriptive information may cause bid to be rejected. Any changes made by bidder to a manufacturer's published specifications shall be verifiable by the manufacturer. If items bid do not fully comply with specifications, bidder must state in what respect items deviate. Bidder's failure to note exceptions in its bid will not relieve the bidder from supplying the actual products requested.

9. Bids/Prices/F.O.B. Point

- The bid price for each item is to be quoted on a "net" basis and F.O.B. LSU Destination, i.e. title passing upon receipt and inclusive of all delivery charges, any item discounts, etc.
- Bids other than F.O.B. LSU Destination may be rejected.
- Bids indicating estimated freight charges may be rejected.
- Bids requiring deposits, payment in advance, or C.O.D. terms may be rejected.
- Bidders who do not quote "net" item prices and who separately quote an overall "lump sum" freight cost or discount for all items shall be considered as submitting an "all-or-none" bid for evaluation and award purposes; and risk rejection if award is made on an item basis.
- Prices shall be firm for acceptance for a minimum of 30 days, unless otherwise specified. Bids conditioned with shorter acceptance periods may be rejected.
- Prices are to be quoted in the unit/package specified (e.g. each, 12/box, etc), or may be rejected.
- In the event of extension errors, the unit price bid shall prevail.

10. Taxes

Vendor is responsible for including all applicable taxes in the bid price. LSU is exempt from all Louisiana state and local sales and use taxes. By accepting an award, resident and non-resident firms acknowledge their responsibility for the payment of all taxes duly assessed by the State of Louisiana and its political subdivisions for which they are liable, including but not limited to: franchise taxes, privilege taxes, sales taxes, use taxes, ad valorem taxes, etc.

11. Terms and Conditions

This solicitation contains all terms and conditions with respect to the purchase of the goods and/or services specified herein. Submittal of any contrary terms and conditions may cause your bid to be rejected. By signing and submitting a bid, vendor agrees that contrary terms and conditions which may be included in its bid are nullified; and agrees that this contract shall be construed in accordance with this solicitation and governed by the laws of the State of Louisiana.

12. Vendor Forms/LSU Signature Authority

The terms and conditions of the LSU solicitation and purchase order/contract shall solely govern the purchase agreement, and shall not be amended by any vendor contract, form, etc.

The University's chief procurement officer, or authorized designee, is delegated sole authority to execute/sign any vendor contracts, forms, etc, on behalf of LSU. Departments are expressly prohibited from signing any vendor forms.

Any such vendor contracts/forms bearing unauthorized signatures shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom. Vendors who present any such forms to department users for signature without regard to this strict LSU policy may face contract cancellation, suspension, and/or debarment.

13. Awards

Award will be made to the lowest responsible and responsive bidder. LSU reserves the right: (1) to award items separately, grouped, or on an all-or-none basis, as deemed in its best interest; (2) to reject any or all bids and/or items; and (3) to waive any informalities.

All solicitation specifications, terms and conditions shall be made part of any subsequent award as if fully reproduced and included therein, unless specifically amended in the formal contract.

14. Acceptance of Bid

Only the issuance of an official LSU purchase order/contract, a Notification of Award letter, or a Notification of Intent to Award letter shall constitute the University's acceptance of a bid. LSU shall not be responsible in any way to a vendor for goods delivered or services rendered without an official purchase order/contract.

15. Applicable Law

All contracts shall be construed in accordance with and governed by the laws of the State of Louisiana.

16. Awarded Products/Unauthorized Substitutions

Only those awarded brands and numbers stated in the LSU contract are approved for delivery, acceptance, and payment purposes. Any substitutions require prior approval of the Purchasing Office. Unauthorized product substitutions are subject to rejection at time of delivery, post-return at vendor's expense, and non-payment.

17. Testing/Rejected Goods

Vendor warrants that the products furnished will be in full conformity with the specification, drawing or sample, and agrees that this warranty shall survive delivery, acceptance, and use. Any defect in any product may cause its rejection. LSU reserves the right to test products for conformance to specifications both prior to and after any award. Vendor shall bear the cost of testing

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<p>if product is found to be non-compliant. All rejected goods will be held at vendor's risk and expense, and subject to vendor's prompt disposition. Unless otherwise arranged, rejected goods will be returned to the vendor freight collect.</p> <p>18. Delivery Vendor is responsible for making timely delivery in accordance with its quoted delivery terms. Vendor shall promptly notify the LSU Department and/or Purchasing Office of any unforeseen delays beyond its control. In such cases, LSU reserves the right to cancel the order and to make alternative arrangements to meet its needs.</p> <p>19. Default of Vendor <u>Failure to deliver within the time specified in the bid/award will constitute a default and may be cause for contract cancellation.</u> Where the University has determined the vendor to be in default, LSU reserves the right to purchase any or all goods or services covered by the contract on the open market and to surcharge the vendor with costs in excess of the contract price. Until such assessed surcharges have been paid, no subsequent bids from the defaulting vendor will be considered for award.</p> <p>20. Vendor Invoices Invoices shall reference the LSU purchase/release order number, vendor's packing list/delivery ticket number, shipping/delivery date, etc. Invoices are to be itemized and billed in accordance with the order, show the amount of any prompt payment discount, and submitted on the vendor's own invoice form. Invoices submitted by the vendor's supplier are not acceptable.</p> <p>21. Delinquent Payment Penalties Delinquent payment penalties are mandated and governed by Louisiana R.S. 39:1695. Vendor penalties to the contrary shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom.</p> <p>22. Assignment of Contract/Contract Proceeds Vendor shall not assign, sublet or transfer its contractual responsibilities, or payment proceeds thereof, to another party without the prior written consent and approval of the Purchasing Office. Unauthorized assignments of contract or assignments of contract proceeds shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom.</p> <p>23. Contract Cancellation LSU has the right to cancel any contract for cause, in accordance with purchasing rules and regulations, including but not limited to: (1) failure to deliver within the time specified in the contract; (2) failure of the product or service to meet specifications, conform to sample quality or to be delivered in good condition; (3) misrepresentation by the vendor; (4) fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the University; (5) conflict of contract provisions with constitutional or statutory provisions of state or federal law; (6) any other breach of contract. LSU has the right to cancel any contract for convenience at any time by giving thirty (30) days written notice to the vendor. In such cases, the vendor shall be entitled to payment for compliant deliverables in progress.</p> <p>24. Prohibited Contractual Arrangements Per Louisiana R.S. 42:1113.A, no public servant, or member of such a public servant's immediate family, or legal entity in which he has a controlling interest shall bid on or enter into any contract, subcontract, or other transaction that is under the supervision or jurisdiction of the agency of such public servant. See statute for complete law, exclusions, and provisions.</p> <p>25. Equal Employment Opportunity Compliance By submitting and signing this bid, vendor agrees to abide by the requirements of the following as applicable: Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972; federal Executive Order 11246; federal Rehabilitation Act of 1973, as amended; the Vietnam Era Veteran's Readjustment Assistance Act of 1974; Title IX of the Education Amendments of 1972; the Age Act of 1975; the Americans with Disabilities Act of 1990. Vendor agrees not to discriminate in its employment practices, and will render services under any contract entered into as a result of this solicitation without regard to race, color, religion, sex, age, national origin, veteran status, political affiliation, handicap, disability, or other non-merit factor. Any act of discrimination committed by vendor, or failure to comply with these statutory obligations when applicable, shall be grounds for termination of any contract entered into as a result of this solicitation.</p> <p>26. Mutual Indemnification Each party hereto agrees to indemnify, defend, and hold the other, its officers, directors, agents and employees harmless from and against any and all losses, liabilities, and claims, including reasonable attorney's fees arising out of or resulting from the willful act, fault, omission, or negligence of the indemnifying party or of its employees, contractors, or agents in performing its obligations under this agreement, provided however, that neither party hereto shall be liable to the other for any consequential damages arising out of its willful act, fault, omission, or negligence.</p> <p>27. Certification of No Suspension or Debarment By signing and submitting this bid, bidder certifies that its company, any subcontractors, or principals thereof, are not suspended or debarred under federal or state laws or regulations. A list of parties who have been suspended or debarred by federal agencies is maintained by the General Services Administration and can be viewed on the internet at www.epls.gov.</p>		

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ITEM No.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
	<p>UNLESS SPECIFIED ELSEWHERE, SHIP ALL ITEMS TO: Pennington Biomedical Research Center PENNINGTON BIOMED RSCH CT FAC MGMT-Central Receiving Attn: Crystal Traylor 6400 Perkins Road Baton Rouge, LA 70808</p> <p>ALL-OR-NONE AWARD: It is the intent of the University to award all items on an all-or-none basis to the overall lowest responsive and responsible bidder.</p>				
0001	<p>Commodity Code: 465-02 Telemetry System per the attached specifications. To Be Mfgr/Brand: GE MEDICAL SYSTEMS , or equal. Specify Manufacturer / Brand Bid: _____ Specify Model / Number Bid: _____</p>	1.00	EA	\$ _____	\$ _____
0002	<p>Commodity Code: 465-02 Secondary Alarm Notification System per the attached specifications. To Be Mfgr/Brand: GE MEDICAL SYSTEMS , or equal. Specify Manufacturer / Brand Bid: _____ Specify Model / Number Bid: _____</p>	1.00	EA	\$ _____	\$ _____

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ITEM No.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT

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- 01 Bid prices are to be quoted FOB LSU/DESTINATION and inclusive of any and all applicable shipping and handling charges.
- 02 LSU is a member of the National Association of Educational Procurement (NAEP) and the E & I Cooperative Purchasing Service.
- 03 U.S. PRODUCT PREFERENCE: IN ACCORDANCE WITH RS 39:1595.7, IN THE EVENT A CONTRACT IS NOT ENTERED INTO FOR LA PRODUCTS PURCHASED UNDER THE PROVISIONS OF RS 39:1595, ANY PERSON WHO PURCHASES MATERIALS, SUPPLIES, PRODUCTS, PROVISIONS, OR EQUIPMENT UNDER THE PROVISIONS OF THIS CHAPTER MAY PURCHASE SUCH ITEMS WHICH ARE MANUFACTURED (MADE) IN THE U.S., & EQUAL IN QUALITY TO NON-U.S. ITEMS PROVIDED THAT ALL OF THE FOLLOWING CONDITIONS ARE MET: 1. COST OF SUCH ITEMS DOES NOT EXCEED COST OF OTHER ITEMS WHICH ARE MADE OUTSIDE THE U.S. BY MORE THAN 5%. 2. THE VENDOR OF SUCH ITEMS AGREES TO SELL THE ITEMS AT THE SAME PRICE AS THE LOWEST BID OFFERED ON SUCH ITEMS. 3. IN CASES WHERE MORE THAN ONE BIDDER OFFERS ITEMS MADE IN THE U.S. WHICH ARE WITHIN 5% OF THE LOWEST BID, THE BIDDER OFFERING THE LOWEST BID ON SUCH ITEMS IS ENTITLED TO ACCEPT THE PRICE OF THE LOWEST BID MADE ON SUCH ITEMS. 4. THE VENDOR CERTIFIES THAT SUCH ITEMS ARE MADE IN THE U.S. FOR THE PURPOSES OF THIS PREFERENCE, (1) "MANUFACTURED &/OR MADE IN THE U.S." MEANS PRODUCED BY A PROCESS IN WHICH THE MANUFACTURING, FINAL ASSEMBLY, PROCESSING, PACKAGING, TESTING, & ANY OTHER PROCESS THAT ADDS VALUE, QUALITY, OR RELIABILITY TO ASSEMBLED ARTICLES, MATERIALS, OR SUPPLIES, OCCUR IN THE U.S. (2) "U.S." MEANS THE U.S. & ANY PLACE SUBJECT TO THE JURISDICTION OF THE U.S. DO YOU CLAIM THIS PREFERENCE? ____ YES. SPECIFY LINE NUMBER(S): _____. SPECIFY U.S. LOCATION WHERE THIS PRODUCT IS MADE: _____.
- 04 A preference, if applicable, may be allowed for products produced, manufactured, assembled, grown or harvested in Louisiana. Do you claim this preference? Yes ____ No _____. Note: Preferences shall not apply to service contracts. Is your Louisiana business workforce composed of a minimum of fifty percent Louisiana residents? Yes ____ No _____. Specify Item Number and location within Louisiana where the product is/was produced, manufactured, assembled, grown or harvested: _____ Note: This preference is not applicable for services.
- 05 Sealed Bid Delivery Instructions and Advisory: To assure consideration, your bid must be submitted in a sealed envelope or package and should be clearly and prominently marked with the solicitation number and bid due date, or may be submitted using the special bid return label if one was furnished for that purpose. Bidders are advised that the U.S. Postal Service does not make deliveries to our physical location. USPS mail is delivered to the University's mail center and is redelivered using internal resources. Bidders may deliver bids by hand or by a courier service to our physical location at the "Return Bid To" address specified. The University shall not be responsible for any delays caused by the Bidder's chosen means of bid delivery. Bidder is solely responsible for the timely delivery of its bid, and failure to meet the bid due date and time shall result in rejection of the bid. Your attention is also directed to Standard Terms & Conditions No. 1 - Bid Delivery and Receipt.
- 06 Please note attached insurance requirements. Successful bidder will be required to furnish a certificate of insurance evidencing required coverages and naming the Board of Supervisors of Louisiana State University

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<p>and Agricultural and Mechanical College as an additional insured on all liability policies.</p>		

**BOARD OF SUPERVISORS
LOUISIANA STATE UNIVERSITY AND
AGRICULTURAL & MECHANICAL COLLEGE
Purchasing Office, 213 Thomas Boyd Hall
Baton Rouge, LA 70803-3001**

INSURANCE REQUIREMENTS

WORKMEN'S COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE: The Contractor shall, before commencing any work to be conducted under this contract, procure Workmen's Compensation and Employer's Liability insurance with a limit of liability as required by the Labor Code of the State of Louisiana with an insurance company authorized to write such policies of insurance in the State of Louisiana. It shall be the further responsibility of the Contractor to require that all subcontractors have in full force and effect, a policy of Workmen's Compensation and Employer's Liability insurance before proceeding with any of the work required under this contract. The Employer's Liability limit shall be \$1,000,000 when work is over water and involves maritime exposure.

COMMERCIAL GENERAL LIABILITY INSURANCE: Commercial General Liability Insurance with a combined single limit of \$1,000,000 per occurrence for bodily injury and property damage. This insurance shall include the following coverage:

1. Premises - Operations;
2. Broad Form Contractual Liability;
3. Products and Completed Operations;
4. Use of Contractors and Subcontractors;
5. Personal Injury;
6. Broad Form Property Damage;
7. Explosion, Collapse and Under ground (XCU) Coverage.

BUSINESS AUTOMOBILE LIABILITY INSURANCE: Business Automobile Liability Insurance with a combined single limit of \$1,000,000 per occurrence for bodily injury and property damage, unless otherwise indicated. This insurance shall include for bodily injury and property damage the following coverages:

1. Owned automobiles;
2. Hired automobiles;
3. Non-owned automobiles.

If the vendor/contractor does not own an automobile and an automobile is utilized in the execution of the contract, then only hired and non-owned coverage is acceptable. If an automobile is not utilized for the execution of the contract, then automobile coverage is not required.

Board of Supervisors of Louisiana State University and Agricultural & Mechanical College shall be named as additional insured on all liability policies. A Thirty (30) day prior notice of cancellation must be given to the University for all required coverages. Insurance must be from a company with an A.M. Best's rating of no less than A-:VI who is authorized to do business in the State of Louisiana. The A.M. Best's rating requirement may be waived for Worker's Compensation only.

The successful contractor is to provide the owner with a certificate of insurance prior to commencement of work.

Item 1: Telemetry System

This system will be utilized to monitor ambulatory study subjects for relevant clinical cardiac information to help caregivers respond to critical situations faster. It will work together with a secondary alarm notification system (DECT Digital Enhanced Cordless Telecommunications - see item 2 below) to assist in delivering information to staff via a portable handset at the point of care.

A) Central Monitoring Station

Number of patients: 1 to 16 in standard display format

Displayed wavelengths: Up to 11 seconds of waveform, based on configuration choice

Display information:

Arrhythmia and ST histories sortable by type and time.

Configurable graphic trends, arrhythmia event trends and tabular vital signs. Full disclosure data viewable in strip, calipers and page view with zoom.

Graphic trends: Arrhythmia events and support for atrial fibrillation trending.

Vital signs: Up to 12 user-defined sort modes for parameters

Full disclosure: Configurable to view up to 5 different waveforms at once with up to 1 minute per line, variable number of lines. ECG (electrocardiogram), NIBP (non-invasive blood pressure), SPO2 (oxygen saturation) and respiration waveforms available in this view.

Event directory: Provides information about each event including type, time, severity, and quantity of each event type.

Silencing: Current patient alarms silence availability

Parameter alarm limits: Configurable monitoring device alarm limits for select parameters.

Display size: Minimum shall be 19 inches

Resolution Display: must support 1280 x 1024 (4:3 Aspect Ratio) @ 60 Hz

Display interfaces: Primary display (VGA or DVI) Telemetry monitor- (Quantity of 12)

B) Telemetry monitor- (Quantity of 12)

- a. 12 transmitters with full arrhythmia software and SPO2 ready.
- b. Continuous ECG monitoring
- c. The system shall be wireless and light weight preferably less than 6.5 ounces
- d. The system shall be Water resistant- IPX7 rating
- e. The system shall support use of disposable or rechargeable batteries AA, reverse polarity protection , with a minimum of 3 day battery life
- f. Lead wire sets (Quantity of 12)

The system shall be capable of features:

All transmitters Plug in Play

SPO2 capability with 2 finger probes

5 lead grabbers

Multi Also-channel configuration

Arrhythmia detection using Simultaneous lead analysis of 3 or more leads

Heart rate detection 30-300 bpm (beats per minute)

QRS detection range .5-5mV

Sample rate at least 225 samples/second

Dual monitoring of arrhythmias and ST segment changes

Alarms for low battery and lead failures

ECG gain selection 5, 10, 20, 40 mm/mV

Gain accuracy +-5%

Defibrillator protection

g. A fib detection

h. Antennas - 9700-10,200. ft. of coverage area

i. 72 Hour Full disclosure storage: 12 waveforms and all parameters for 72 hours including alarms

C) Network laser Printer

D) 50mm digital writer/ strip printer

Up to 4 waveforms printed simultaneously, various recording speeds, hardcopy printouts of stored information including trended parameters, arrhythmia information, cardiac, pulmonary and dose calculations, arrhythmia and alarm parameter and limits setup

E) Portable Monitoring System

Portable bedside monitor shall be capable of interfacing with the central station and able to function standalone separate from workstation.

16 total network drops for 13 rooms, 2 central nurses' station and 1 laser printer

The embedded hardware shall be highly secure.

The bedside monitor shall be capable of the following features:

-ECG -SPO2 -NIBP -RESP -TEMP -A FIB detection and an expandable cardiac software package.

Configurable patient monitoring

Configurable assignment of users per patient monitor and escalations

Works with central station to notify staff away from station of alarms

a. ECG cables

b. NIBP Blood Pressure cuff assortment

c. SPO2 cable and sensors

d. Lead wires

- e. Roll stand for monitor
- F) Turnkey networking,
- G) Service parts and labor for a total of 3 years from the installation date
- H) System technical training provided by an RN for 3 full 8-hour days on site at PBRC.

Item 2: Secondary Alarm notification system- (DECT -Digital Enhanced Cordless Telecommunications)

This system is intended to interface with telemetry monitoring network in order to provide a secondary means of automated visual and/or audible annunciating and displaying of patient alarm information to PBRC staff via display devices. The system does not alter the behavior of the monitoring system. Neither is it intended to replace or alter the primary alarm function on the patient monitor base station.

A. Base Station

Mission critical device that is validated and integrated

Ability to expand and support waveforms to dect phones

Provides messages to handsets and other notification devices

Runs on highly secure, solid state, embedded hardware

Ability to configure and filter alarms

Communication: Paging & Interactive Messaging

Web-based Graphical User Interface

Scalable

Configurable hierarchy of patient monitoring equipment

Duty Assignment: One (1) duty assignment client connection flexible for optimal resource utilization

Duty Assignment: Configurable assignment of users per patient monitor and escalation level;

Allows escalation of pagers between up to 5 (default 3) sets of users

Duty Assignment: Unassigned event warning

Message latency: Typically 1 to 2 sec. during normal conditions, incl.

Message latency: Up to 10 sec. during the save of the layout setup or synchronization of the database in action configuration (<100 events)

Message latency: Up to 30 sec. during synchronization of a database with 300 events

Capacity: 6,000 messages (pagers) per hour handset- cordless phone

B. Handset- cordless phone

a) Messaging

Priority handling of calls and messages

Advanced message queuing

Color messaging

180 degrees rotation of message/call information

Interactive messaging

- Broadcast/Multicast messaging
- Message acknowledgement
- Sending/receiving messages (SMS)
- Voice mail
- Push to talk (PTT)
- Customizable menus
- Customizable sounds
- Advanced user profiles
- Procedure calls
- Programmable soft keys / hot keys
- Programmable handset restrictions

b) Location

- Base station location
- DECT location1
- Poll location

c) General

- Easy registration
- GAP/CAP compliant DECT handset
- Dynamic output power
- Color display
- 18 languages and 1 customizable
- Application controlled telephony

- 1) Turnkey networking installation
- 2) System technical training provided on site at PBRC.
- 3) Service parts and labor for 2 full years from the installation date.